

This Page Is Inserted by IFW Operations
and is not a part of the Official Record

BEST AVAILABLE IMAGES

Defective images within this document are accurate representations of the original documents submitted by the applicant.

Defects in the images may include (but are not limited to):

- BLACK BORDERS
- TEXT CUT OFF AT TOP, BOTTOM OR SIDES
- FADED TEXT
- ILLEGIBLE TEXT
- SKEWED/SLANTED IMAGES
- COLORED PHOTOS
- BLACK OR VERY BLACK AND WHITE DARK PHOTOS
- GRAY SCALE DOCUMENTS

IMAGES ARE BEST AVAILABLE COPY.

**As rescanning documents *will not* correct images,
please do not report the images to the
Image Problem Mailbox.**

DECLARATION
AND POWER OF ATTORNEY

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below at 201 et seq. underneath my name.

I believe I am the original, first and sole inventor if only one name is listed at 201 below, or an original, first and joint inventor if plural names are listed at 201 et seq. below, of the subject matter which is claimed and for which a patent is sought on the invention entitled:

METHOD AND APPARATUS FOR USING HYDROXYL TO REDUCE POLLUTANTS IN THE EXHAUST GASES OF AN ENGINE

and for which a patent application:

is attached hereto and includes amendment(s) filed on _____ (if applicable)
 was filed in the United States on _____ as Application Serial No. _____ (for disclosure and non-priority applications)
 with amendment(s) filed on _____ (if applicable)
 was filed as PCT International application Serial No. _____ on _____ and was amended under PCT Article 19 on _____ (if applicable)

I hereby state that I have reviewed and understand the contents of the above identified application, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information known to me to be material to patentability as defined in Title 37, Code of Federal Regulations, §1.56.

I hereby claim foreign priority benefits under Title 35, United States Code, §119(a)-(d) of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed:

EARLIEST FOREIGN APPLICATION(S), IF ANY, FILED PRIOR TO THE FILING DATE OF THE APPLICATION

APPLICATION NUMBER	COUNTRY	DATE OF FILING (day, month, year)	PRIORITY CLAIMED	
			YES <input type="checkbox"/>	NO <input type="checkbox"/>
			YES <input type="checkbox"/>	NO <input type="checkbox"/>
			YES <input type="checkbox"/>	NO <input type="checkbox"/>

I hereby claim the benefit under Title 35, United States Code, §119(e) of any United States provisional application(s) listed below.

APPLICATION NUMBER	FILING DATE

I hereby claim the benefit under Title 35, United States Code, §120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code §112, I acknowledge the duty to disclose information which is material to patentability as defined in Title 37, Code of Federal Regulations, §1.56 which became available between the filing date of the prior application and the national or PCT international filing date of this application:

APPLICATION SERIAL NO.	FILING DATE	STATUS		
		PATENTED	PENDING	ABANDONED
08/671,955	June 28, 1996		X	

POWER OF ATTORNEY: As a named inventor, I hereby appoint S. Leslie Mirock (Reg. No. 18872), Harry C. Jones, III (Reg. No. 20280), Ben A. Terzian (Reg. No. 20060), Gerald J. Flintoff (Reg. No. 20X23), David Weild, III (Reg. No. 21094), Jonathan A. Marshall (Reg. No. 24614), Barry D. Recin (Reg. No. 22411), Stanton T. Lawrence, III (Reg. No. 25736), Isaac Jarkovsky (Reg. No. 22713), Joseph V. Colaianni (Reg. No. 20019), Charles E. McKenney (Reg. No. 22795), Philip T. Shannon (Reg. No. 24278), Francis E. Morris (Reg. No. 24615), Charles E. Miller (Reg. No. 24576), Gideon D. Stern (Reg. No. 27469), John J. Lauler, Jr. (Reg. No. 27314), Brian M. Poitras (Reg. No. 23462), Brian D. Coccio (Reg. No. 27624), Rory J. Radding (Reg. No. 28749), Stephen J. Harbulak (Reg. No. 29160), Donald J. Goodell (Reg. No. 19766), Janice N. Philib (Reg. No. 25510), Thomas E. Fribel (Reg. No. 29258), Laura A. Coruzzi (Reg. No. 30742), Jennifer Gordon (Reg. No. 30753), Jon R. Stark (Reg. No. 30111), Allan A. Famucci (Reg. No. 30256), Geraldine F. Baldwin (Reg. No. 31237), Victoria N. Balancia (Reg. No. 31231), Albert P. Hallinan (Reg. No. 25227), Samuel B. Abrams (Reg. No. 30605), Steven J. Wallach (Reg. No. 35402), Marcia H. Sundeen (Reg. No. 30893), Paul J. Zegger (Reg. No. 33821), Edmund R. Banach (Reg. No. 32110), Bruce J. Barker (Reg. No. 33291), Adriane M. Ander (Reg. No. 32605), Anna L. Giolifi (Reg. No. 31956), Saralynn Mandel (Reg. No. 31853), Mark A. Farley (Reg. No. 33170), James G. Markay (Reg. No. 31636), and Charles F. Hoyng (Reg. No. 35548), all of Pennie & Edmonds, whose addresses are 1155 Avenue of the Americas, New York, New York 10036, 1657 K Street N.W., Washington, DC 20006 and 2730 Sand Hill Road, Menlo Park, CA 94025, and each of them, my attorneys, to prosecute this application, and to transact all business in the Patent and Trademark Office connected therewith.

DEC 18 '96 17:10 FR PENNI

EDMOND

TO 1805 1475

P.04

PENNIE & EDMONDS DOCKET NO. 9059-006

SEND CORRESPONDENCE TO: PENNIE & EDMONDS 1155 AVENUE OF THE AMERICAS NEW YORK, N.Y. 10036-2711				DIRECT TELEPHONE CALLS TO: PENNIE & EDMONDS DOCKETING (212) 790-2803	
2 0 1	FULL NAME OF INVENTOR	LAST NAME Caren	FIRST NAME Robert	MIDDLE NAME P.	
	RESIDENCE & CITIZENSHIP	CITY Westlake Village	STATE OR FOREIGN COUNTRY CA	COUNTRY OF CITIZENSHIP USA	
	POST OFFICE ADDRESS	STREET 5616 Blackbird Avenue	CITY Westlake Village	STATE OR COUNTRY CA	ZIP CODE 91362
2 0 2	FULL NAME OF INVENTOR	LAST NAME Eckhun	FIRST NAME Jack	MIDDLE NAME A.	
	RESIDENCE & CITIZENSHIP	CITY Belmont	STATE OR FOREIGN COUNTRY MA	COUNTRY OF CITIZENSHIP USA	
	POST OFFICE ADDRESS	STREET 116 Wilson Road	CITY Belmont	STATE OR COUNTRY MA	ZIP CODE 02178
2 0 3	FULL NAME OF INVENTOR	LAST NAME	FIRST NAME	MIDDLE NAME	
	RESIDENCE & CITIZENSHIP	CITY	STATE OR FOREIGN COUNTRY	COUNTRY OF CITIZENSHIP	
	POST OFFICE ADDRESS	STREET	CITY	STATE OR COUNTRY	ZIP CODE
2 0 4	FULL NAME OF INVENTOR	LAST NAME	FIRST NAME	MIDDLE NAME	
	RESIDENCE & CITIZENSHIP	CITY	STATE OR FOREIGN COUNTRY	COUNTRY OF CITIZENSHIP	
	POST OFFICE ADDRESS	STREET	CITY	STATE OR COUNTRY	ZIP CODE
2 0 5	FULL NAME OF INVENTOR	LAST NAME	FIRST NAME	MIDDLE NAME	
	RESIDENCE & CITIZENSHIP	CITY	STATE OR FOREIGN COUNTRY	COUNTRY OF CITIZENSHIP	
	POST OFFICE ADDRESS	STREET	CITY	STATE OR COUNTRY	ZIP CODE
2 0 6	FULL NAME OF INVENTOR	LAST NAME	FIRST NAME	MIDDLE NAME	
	RESIDENCE & CITIZENSHIP	CITY	STATE OR FOREIGN COUNTRY	COUNTRY OF CITIZENSHIP	
	POST OFFICE ADDRESS	STREET	CITY	STATE OR COUNTRY	ZIP CODE

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

SIGNATURE OF INVENTOR 201 <i>Robert P. Caren</i>	SIGNATURE OF INVENTOR 202 <i>DATE</i> <i>Dec. 18, 1996</i>	SIGNATURE OF INVENTOR 203 <i>DATE</i>
SIGNATURE OF INVENTOR 204 <i>DATE</i>	SIGNATURE OF INVENTOR 205 <i>DATE</i>	SIGNATURE OF INVENTOR 206 <i>DATE</i>

DECLARATION
AND POWER OF ATTORNEY

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below at 201 et seq. underneath my name.

I believe I am the original, first and sole inventor if only one name is listed at 201 below, or an original, first and joint inventor if plural names are listed at 201 et seq. below, of the subject matter which is claimed and for which a patent is sought on the invention entitled

METHOD AND APPARATUS FOR USING HYDROXYL TO REDUCE POLLUTANTS IN THE EXHAUST GASES OF AN ENGINE

and for which a patent application:

is attached hereto and includes amendment(s) filed on _____ of application
 was filed in the United States on _____ as Application Serial No. _____ for continuation and/or a continuation-in-part application
 with amendment(s) filed on _____ of application
 was filed as PCT International application Serial No. _____ on _____ and was amended under PCT Article 19 on _____ of application

I hereby state that I have reviewed and understand the contents of the above identified application, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information known to me to be material to patentability as defined in Title 37, Code of Federal Regulations, §1.56.

I hereby claim foreign priority benefits under Title 35, United States Code, §119(a)-(d) of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed:

EARLIEST FOREIGN APPLICATION(S), IF ANY, FILED PRIOR TO THE FILING DATE OF THE APPLICATION			
APPLICATION NUMBER	COUNTRY	DATE OF FILING (day, month, year)	PRIORITY CLAIMED
			YES <input type="checkbox"/> NO <input type="checkbox"/>
			YES <input type="checkbox"/> NO <input type="checkbox"/>

I hereby claim the benefit under Title 35, United States Code, §119(e) of any United States provisional application(s) listed below.

APPLICATION NUMBER	FILING DATE

I hereby claim the benefit under Title 35, United States Code, §120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code §112, I acknowledge the duty to disclose information which is material to patentability as defined in Title 37, Code of Federal Regulations, §1.56 which became available between the filing date of the prior application and the national or PCT international filing date of this application:

APPLICATION SERIAL NO.	FILING DATE	STATUS		
		PATENTED	PENDING	ABANDONED
08/671,955	June 28, 1996		X	

POWER OF ATTORNEY: As a named inventor, I hereby appoint S. Leslie Murnick (Reg. No. 18872), Harry C. Jones, III (Reg. No. 20230), Bert A. Terzian (Reg. No. 20060), Gerald J. Flintoff (Reg. No. 20823), David Weild, III (Reg. No. 21094), Jonathan A. Marshall (Reg. No. 24614), Barry D. Reis (Reg. No. 22411), Stanton T. Lawrence, III (Reg. No. 21736), Isaac Jarkovsky (Reg. No. 22713), Joseph V. Colaianni (Reg. No. 20019), Charles E. McKenney (Reg. No. 22795), Philip T. Shandow (Reg. No. 24778), Francis E. Morris (Reg. No. 24415), Charles E. Miller (Reg. No. 24576), Gidon D. Stern (Reg. No. 27469), Stephen John J. Lauter, Jr. (Reg. No. 27814), Brian M. Poissant (Reg. No. 28462), Brian D. Coggio (Reg. No. 27624), Rory J. Radding (Reg. No. 23749), Stephen J. Harbulak (Reg. No. 29166), Donald J. Goodell (Reg. No. 19766), James N. Palis (Reg. No. 25510), Thomas E. Fischel (Reg. No. 29258), Laura A. Coruzzi (Reg. No. 30742), Jennifer Gordon (Reg. No. 30753), Jon R. Stark (Reg. No. 30111), Allan A. Famucci (Reg. No. 30256), Geraldine F. Baldwin (Reg. No. 31232), Victor N. Balancia (Reg. No. 31231), Albert P. Halluin (Reg. No. 25277), Samuel B. Abrams (Reg. No. 30605), Steven L. Wallach (Reg. No. 35402), Martin H. Sundet (Reg. No. 30893), Paul J. Zegger (Reg. No. 33211), Edmund R. Bannon (Reg. No. 32110), Bruce J. Barker (Reg. No. 33291), Adrienne M. Antler (Reg. No. 32605), Ann L. Gisolfi (Reg. No. 31956), SuraLynn Mandel (Reg. No. 31853), Mark A. Farley (Reg. No. 33170), James G. Markey (Reg. No. 31636), and Charles F. Hoyne (Reg. No. 35548), all of Pennie & Edmonds, whose addresses are 1155 Avenue of the Americas, New York, New York 10036, 1667 K Street N.W., Washington, DC 20006 and 2730 Sand Hill Road, Menlo Park, CA 94025, and each of them my attorneys, to prosecute this application, and to transact all business in the Patent and Trademark Office connected therewith.

1105-SECRET

(1)

** TOTAL PAGE. 85 **

SEND CORRESPONDENCE TO: PENNIE & EDMONDS 1155 AVENUE OF THE AMERICAS NEW YORK, N.Y. 10036-2711				DIRECT TELEPHONE CALLS TO: PENNIE & EDMONDS DOCKETING (212) 790-2803	
201	FULL NAME OF INVENTOR	LAST NAME CATCH	FIRST NAME Robert	MIDDLE NAME P.	
	RESIDENCE & CITIZENSHIP	CITY Westlake Village	STATE OR FOREIGN COUNTRY CA	COUNTRY OF CITIZENSHIP USA	
	POST OFFICE ADDRESS	STREET 5616 Blackbird Avenue	CITY Westlake Village	STATE OR COUNTRY CA	ZIP CODE 91362
202	FULL NAME OF INVENTOR	LAST NAME Ekchian	FIRST NAME Jack	MIDDLE NAME A.	
	RESIDENCE & CITIZENSHIP	CITY Belmont	STATE OR FOREIGN COUNTRY MA	COUNTRY OF CITIZENSHIP USA	
	POST OFFICE ADDRESS	STREET 116 Wilson Road	CITY Belmont	STATE OR COUNTRY MA	ZIP CODE 02178
203	FULL NAME OF INVENTOR	LAST NAME	FIRST NAME	MIDDLE NAME	
	RESIDENCE & CITIZENSHIP	CITY	STATE OR FOREIGN COUNTRY	COUNTRY OF CITIZENSHIP	
	POST OFFICE ADDRESS	STREET	CITY	STATE OR COUNTRY	ZIP CODE
204	FULL NAME OF INVENTOR	LAST NAME	FIRST NAME	MIDDLE NAME	
	RESIDENCE & CITIZENSHIP	CITY	STATE OR FOREIGN COUNTRY	COUNTRY OF CITIZENSHIP	
	POST OFFICE ADDRESS	STREET	CITY	STATE OR COUNTRY	ZIP CODE
205	FULL NAME OF INVENTOR	LAST NAME	FIRST NAME	MIDDLE NAME	
	RESIDENCE & CITIZENSHIP	CITY	STATE OR FOREIGN COUNTRY	COUNTRY OF CITIZENSHIP	
	POST OFFICE ADDRESS	STREET	CITY	STATE OR COUNTRY	ZIP CODE
206	FULL NAME OF INVENTOR	LAST NAME	FIRST NAME	MIDDLE NAME	
	RESIDENCE & CITIZENSHIP	CITY	STATE OR FOREIGN COUNTRY	COUNTRY OF CITIZENSHIP	
	POST OFFICE ADDRESS	STREET	CITY	STATE OR COUNTRY	ZIP CODE

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

SIGNATURE OF INVENTOR 201	SIGNATURE OF INVENTOR 202	SIGNATURE OF INVENTOR 203
DATE	DATE 12/18/96	DATE
SIGNATURE OF INVENTOR 204	SIGNATURE OF INVENTOR 205	SIGNATURE OF INVENTOR 206
DATE	DATE	DATE

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re: Application of: Robert P. Caren and Jack A. Ekchian
 Patent of:

Serial No.:
 Patent No.:

Filed: December 19, 1996
 Ismael.

Issued:

Group Art Unit:

Examiner:

Issued: For: METHOD AND APPARATUS FOR USING Attorney Docket No.: 9059-006
HYDROXYL TO REDUCE POLLUTANTS IN
THE EXHAUST GASES FROM THE
COMBUSTION OF A FUEL

VERIFIED STATEMENT (DECLARATION) CLAIMING SMALL ENTITY STATUS
[37 CFR 1.9(f) and 1.27(c)] - Small Business Concern

Assistant Commissioner for Patents
Washington, D.C. 20231

Siti

I hereby declare that I am

the owner of the small business concern identified below:
 an official of the small business concern empowered to act in behalf of
the concern identified below:

Name of concern Litex, Inc.

Name of concern Litex, Inc.
Address of concern 310 No. Westlake Blvd., Suite 200
Westlake Village, CA 91362

I hereby declare that the above identified small business concern qualifies as a small business concern as defined in 37 CFR 1.9(d), for purposes of paying reduced fees under section 41(a) and (b) of Title 35, United States Code, in that the number of employees of the concern, including those of its affiliates, does not exceed 500 persons. For purposes of this statement, (1) the number of employees of the business concern is the average over the previous fiscal year of the concern of the person employed on a full-time, part-time or temporary basis during each of the pay periods of the fiscal year, and (2) concerns are affiliates of each other when either, directly or indirectly, one concern controls or has the power to control the other, or a third party or parties controls or has the power to control both.

I hereby declare that rights under contract or law have been conveyed to and remain with the small business concern and/or there is an obligation under contract or law by the inventor(s) to convey rights to the small business concern with regard to the invention, entitled **METHOD AND APPARATUS FOR USING HYDROXYL TO REDUCE POLLUTANTS IN THE EXHAUST GASES FROM THE COMBUSTION OF A FUEL** by inventor(s) ROBERT P. CAREN and JACK A. EKCHIAN described in

the specification filed herewith
 application serial no. filed
 patent no. issued

Digitized by srujanika@gmail.com

If the rights held by the above identified small business concern are not exclusive, each individual, concern or organization having rights to the invention is listed below and no rights to the invention are held by any person, other than the inventor, who could not qualify as an independent inventor under 37 CFR 1.9(c) if that person made the invention, or by any concern which would not qualify as a small business concern under 37 CFR 1.9(d), or a nonprofit organization under 37 CFR 1.9(e).

FULL NAME Litex Inc.

ADDRESS 310 No. Westlake Blvd., Suite 200
Westlake Village, CA 91362

INDIVIDUAL SMALL BUSINESS CONCERN NONPROFIT
ORGANIZATION

FULL NAME

ADDRESS

INDIVIDUAL SMALL BUSINESS CONCERN NONPROFIT
ORGANIZATION

FULL NAME

ADDRESS

INDIVIDUAL SMALL BUSINESS CONCERN NONPROFIT
ORGANIZATION

FULL NAME

ADDRESS

INDIVIDUAL SMALL BUSINESS CONCERN NONPROFIT
ORGANIZATION

I acknowledge the duty to file, in this application or patent, notification of any change in status resulting in loss of entitlement to small entity status prior to paying, or at the time of paying, the earliest of the issue fee or any maintenance fee due after the date on which status as a small entity is no longer appropriate. [37 CFR 1.28 (b)]

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application, and patent issuing thereon, or any patent to which this verified statement is directed.

Send correspondence to: PENNIE & EDMONDS
1155 Avenue of the Americas
New York, N.Y. 10036-2711

Direct Telephone calls to:
PENNIE & EDMONDS
(212) 790-9090

Name of person signing

Leon Ekchian

Title of person other than owner

President

Address of person signing

310 Westlake Blvd., Suite 200
Westlake Village, CA 91362

Signature

Dec 14, 1996

*NOTE: Separate verified statements are required from each named person, concern or organization having rights to the invention averring to their status as small entities.
(37 CFR 1.27)

PENNY3-541624.1